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Complete if Known Substitute for form 1449/PTO 10/800,257 **Application Number** Filing Date 3/12/2004 INFORMATION DISCLOSURE First Named Inventor Peter T. Barrett STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** 1757US

Attorney Docket Number

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COTRADE			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	_	^{US-} 20020108119	8/8/2002	Mao, et al.	
•		^{US-} 20030159143	8/21/2003	Chan	
		US- 20030202775	10/30/2003	Junkersfeld, et al.	
		^{US-} 20040128694	7/1/2004	Bantz, et al.	
		^{US-} 20040160974	8/19/2004	Read, et al.	
		^{US-} 20050078757	4/14/2005	Nohrden	
		^{US-} 20050154917	7/14/2005	deCarmo	
		^{US-} 20050172314	8/4/2005	Krakora, et al.	
		^{US-} 5,699,362	12/16/1997	Makam	
-		^{US-} 6,047,317	4/4/2000	Bisdikian, et al.	
		^{US-} 6,078,594	6/20/2000	Anderson, et al.	
		^{US-} 6,222,482	4/24/2001	Gueziec	
		^{ÚS-} 6,430,547	8/6/2002	Busche, et al.	
		us- 6,496,814	12/17/2002	Busche	
		us- 6,505,106	1/7/2003	Lawrence, et al.	
		^{US-} 6,615,133	9/2/2003	Boies, et al.	
		^{US-} 6,751,626	6/15/2004	Brown, et al.	
		^{US-} 6,766,245	7/20/2004	Padmanabhan	
		^{US-} 6,842,724	1/11/2005	Lou, et al.	

		FOREI	GN PATENT DOCU	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
		CA2480461	10/16/2003	Cisco Tech Ind (US)		
		EP 0633694A	01/11/1995	Digital Equipment Corpora		
		WO 01/26271	04/12/2001	World Multicast Com Inc (
		WO 01/56285	08/02/2001	Berberet, et al.		
		WO 99/09741	02/25/1999	Next Level Communication		
		WO03088646	10/23/2003	Thomson Licensing SA		

Examiner Signature	/Mark Stanley/	Date Considered	01/08/2008
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Attorney Docket Number

MS1

Sheet 2 **U. S. PATENT DOCUMENTS** Name of Patentee or Pages, Columns, Lines, Where Cite No.1 Publication Date Document Number Examiner Relevant Passages or Relevant MM-DD-YYYY Applicant of Cited Document Initials' Figures Appear Number-Kind Code^{2 (if known)} US-US-US-US-US-US-US-ŪS-US-US-US-US-US-US-US-US-US-US-

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Examiner Signature	/Mark Stanley/	Date Considered	01/08/2008

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Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
nitials*	No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	:	Application Serial Number 10/798,993; Barrett, et al.; Filed 03/12/2004	
		Application Serial Number 10/800,287; Barrett, et al.; Filed 03/12/2004.	
		Application Serial Number 10/800,309; Barrett, et al.; Filed 03/12/2004	
		"Digital Headend Solutions; Tune in to Digital TV", retrieved from the Internet on 11/03/05, Available at < http://www.tutsystems.com/digitalheadend/solutions/index.cfm >, 1 page.	
		"Infovalue Experts; Info Value Unveils Industry's First Video Multicasting Solution with Instant Replay", retrieved from the Internet on 11/3/05, Available at < http://www.infovalue.com/links/news%20room/press%20releases/1999/Press_%20First_Multicasting_with_Instant_Replay.pdf>>, 3 pages.	
		"MediaFLO; Introducing FLO Technology:, retrieved from the Internet on 11/3/05, available at < http://www.qualcomm.com/mediaflo/news/pdf/flo_whitepaper.pdf >, pp. 1-8.	
		"Optibase MGW 2400", retreived from the Internet 11/3/05, Available at < <http: optibase_mgw2400_features.html="" www.epecomgraphics.com="">>, 2 pages.</http:>	
		"QuickTime Streaming your Media in Real Time", retrieved from the Internet on 11/3/05, Accessible at < <http: quicktime="" streaming="" technologies="" www.apple.com.tw=""></http:> >, 3 pages.	
		BenAbdelkader, et al., "Combining Holistic and Parametric Approaches for Gait Recognition," Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence, December 2002, 37 pages.	
		BenAbdelkader, et al., "Person Identification Using Automatic Height and Stride Estimation," IEEE International Conference on Pattern Recognition, 8/11/02-8/15/02, pp. 1-4.	

Examiner Signature	/Mark Stanley/	Date Considered	01/08/2008
Signature		Considered	

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Cubsition	te for form 1440/1 10			Application Number	10/800,251		
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STA	STATEMENT BY APPLICAN		PPLICANT	First Named Inventor	Peter T. Barrett		
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Sheet	4	of	5	Attorney Docket Number	MS1	1757US	

	0"	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	· T²
		BenAbdelkader, et al., "Stride and Cadence as a Biometric in Automatic Person Identification and Verification," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-6	
		BenAbdelkader, et al., "View-invariant Estimation of Height and Stride for Gait Recognition," Workshop on Biometric Authentication (BIOMET), in association with ECCV 2002, 6/1/2002, 12 pages.	
		BenAbdelkader, et al., "EigenGait: Motion-based Recognition of People Using Image Self-similarity," Proc. Intl. on Audio and Video-based Person Authentication (AVBPA), 2001, 11 pages.	
_		BenAbdelkader, et al., "Motion-based Recognition of People in Eigengait Space," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-6.	
		Cutler, et al., "Robust Real-Time Periodic Motion Detection, Analysis, and Applications," IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), Vol. 22, No. 8, August 2000, pp. 781-796.	
		Elgammal, et al., "Non-parametric Model for Background Subtraction," IEEE ICCV99 Frame Rate Workshop, IEEE 7th International Conference on Computer Vision, Kerkyra, Greece, September 1999, pp. 1-17.	
		Tsai, R., "An Efficient and Accurate Camera Calibration Technique for 3d Machine Vision," Proceedings of the Computer Vision and Pattern Recognition, 1986, pp. 364-374.	
		Turk, et al., "Face Recognition Using Eigenfaces," CVPR, 1991. pp. 586-591.	
		Haritaoglu, et al., "W4S: A Real-Time System for Detecting and Tracking People in 2 1/2 D," in European Conference on Computer Vision, 1998, 16 pages.	
		Application Serial Number 10/218,675; Barrett, et al.; Filed 08/13/2002	

Examiner	/Mark Stanley/	Date	01/08/2008
Signature	/Mark Startley/	Considered	01/00/2000

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Substitu	Ne 101 101111 144371 10			Application Number	10/800,25	1	
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Sheet	5	of	5	Attorney Docket Number	MS1	1757US	

		NON PATENT LITERATURE DOCUMENTS			
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		Application Serial Number 10/218,674; Barrett, et al.; Filed 08/13/2002			
		Application Serial Number 11/010,200; Smith, et al.; Filed 12/10/2004			
		Gil, et al., "Simulation of a Mobility Prediction Scheme Based on Neuro-Fuzzy Theory in Mobile Computing", Simulation, July 2000, Vol. 75, No. 1, pp 6-17.			
		"Multidimensional Database Technology", Computer, December 2001, Vol. 34, No. 12, pp 40-46.			
		Wolfson, et al., "Modeling Moving Objects for Location Based Services", Lectures Notes in Computer Science, 2002, Vol. 2538, pp 46-58			
		Zhang, et al., "Data Modeling of Moving Objects with GPS/GIS in Web Environment", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceedings, 2002, Vol. 2 pp. 1581-1585.	·		
		Zhang, et al., "The Cost Model of Moving Objects Communication with GPS", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceedings, 2002, VOI. 2, pp 1576-1580.			
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Examiner	/Mark Stanley/	Date	01/08/2008
Signature	nwark Ottomoy/	Considered	37,00/2000

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